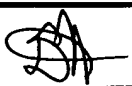

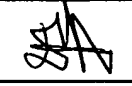
 <p>FORM PTO-1449</p> <p>INFORMATION DISCLOSURE CITATION</p>	Atty Docket 24691	Serial No. 09/891,392
	Applicant TAKAOKA, et al.	
	Filing Date June 27, 2001	Group Art Unit 2124

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Issue Date	Name	Class	Sub-Class	Filing Date
	AA	3,778,606	Dec. 11, 1973	Schmitt et al.			Feb. 23, 1972
	AB	4,023,028	May 10, 1977	Dillard			Aug. 20, 1974
	AC	4,723,125	Feb. 2, 1988	Elleauume			June 26, 1986
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED

SEP 26 2003

Technology Center 2100

FOREIGN PATENT DOCUMENTS

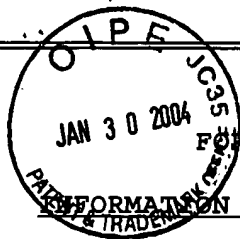
		Document Number	Date	Country	Class	Sub-Class	Translation
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS		
	AT		

Examiner	D. H. Malczahn	Date Considered	5/12/04
----------	----------------	-----------------	---------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609.
 Draw line through citation if not in conformance and not considered.
 Include copy of this form with next communication to Applicant.



FORM PTO-1449

INFORMATION DISCLOSURE CITATION

Atty Docket
24691Serial No.
09/891,392

Applicant

TAKAOKA, et al.

Filing Date
June 27, 2001Group Art Unit
2124

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Issue Date	Name	Class	Sub-Class	Filing Date
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED

FEB 03 2004

Technology Center 2100

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Translation
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		Rosendo Macias, J. A., et al., "Efficient Moving-Window DFT Algorithms". IEEE Transactions on Circuits and Systems II: Analog and Digital Signal Processing, vol. 45, no. 2, pp. 256-260, February 1998.
	AS		Gay, Steven L., et al., "Algorithms for Multi-channel DTMF Detection for the WE DSP32 Family". IEEE International Conference on Acoustics, Speech and Signal Processing, pp. 1134-1137, May 23, 1989.
	AT		Zhang, Y. Z., et al., "Fast Implementation of Recursive DFTs". IEEE International Conference on Acoustics, Speech and Signal Processing, pp. 1071-1074, May 23, 1989.

Examiner D. H. Malzahn

Date Considered 5/12/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609.
 Draw line through citation if not in conformance and not considered.
 Include copy of this form with next communication to Applicant.